



The Morning Email: Treasuries

6/25/2009 5:48

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Want something added? Let me know:
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	32nds					
	2 y	3 y	5y	7y	10y	30y
Auction Price	99.304	99.241	99.208	99.221	99.143	99.116
Auction Yield Stop	0.940	1.375	2.310	3.300	3.990	4.288
Actual Auction Date	6/23/2009	6/9/2009	6/24/2009	5/28/2009	06/11/09 r	6/11/2009 r

Quotes

		32 nds					
	Last	Net	High	Low	Open	Volume	Sym Name
TUAU9	107.2870	0.0	107.2950	107.2620	107.2800	16,395	2y Fut
Z3NU9	111.0000	4.0	111.0270	110.2370	110.2850	17	3y Fut
FVAU9	113.3020	(0.7)	113.3170	113.2200	113.2870	33,941	5y Fut
TYAU9	115.0550	(0.50)	115.0850	114.2650	115.0550	82,935	10y Fut
USAU9	116.1900	1.00	116.2500	116.0800	116.2000	12,133	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	99.2820	1.70	99.2900	99.2600	99.2720	na	2y Cash
BUS03P	100.1350	3.20	100.1450	100.0850	100.0970	na	3y Cash
BUS05P	99.1750	122.00	99.1850	99.0950	99.1250	na	5y Cash
BUS07P	99.1100	3.50	99.1250	99.0250	99.0850	na	7y Cash
BUS10P	95.1300	0.50	95.1550	95.0300	95.1150	na	10y Cash
BUS30P	97.0600	(2.00)	97.1000	96.2000	97.0200	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	1.176	(0.240)	1.220	1.172	1.213	na	2y Yield
BUS03Y	1.725	(0.360)	1.782	1.717	1.770	na	3y Yield
BUS05Y	2.722	0.100	2.776	2.716	2.757	na	5y Yield
BUS07Y	3.352	(0.050)	3.401	3.349	3.369	na	7y Yield
BUS10Y	3.682	0.020	3.723	3.674	3.689	na	10y Yield
BUS30Y	4.422	(0.050)	4.455	4.413	4.428	na	30y Yield

Notes:

Regarding the futures quotes: .2 .5 & .7
represent 1/4, 1/2, & 3/4s.

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	16.55	5.50	\$1,717	10.99	n/a	30y
10y	8.36	2.69	\$839	5.37	n/a	10y
7y	6.14	2.06	\$642	4.11	n/a	7y
5y	4.61	1.53	\$478	6.12	n/a	5y
3y	2.88	0.95	\$297	3.80	n/a	3y
2y	1.97	0.64	\$200	2.57	n/a	2y
ZB	10.00	4.12	\$129	4.12	0.7593	ZB
ZN	5.82	2.34	\$73	4.67	0.7941	ZN
ZF	4.20	1.59	\$50	6.37	0.8622	ZF
Z3N	2.76	1.06	\$33	4.25	0.7941	Z3N
ZT	1.88	0.71	\$22	2.83	0.9222	ZT

DV01 32, said differently, is "how many TICS are in a basis point?".

Example, If **ZN** moves 1~basis point, then, it's moved 2.47 tics (Today, 04/28/09, the value in the box is 2.47).

Since ZN trades in half tics, then, 4.95 boxes = 1 basis point in ZN. (Again, today, 04/28/09, the value in the box is 4.95). Of course the values will be different as you look at this. But, they won't be that much different. So, I think you can get the idea I'm trying to get across.

Notes

CF = Conversion Factor

MDuration = Modified Macaulay Duration

MDuration & DV01s for Futures are based on proxy issue (CTD)

DV01 Box = Dollar Value of 1 basis point move per Box

US Financial Futures

	ZB	ZN	ZF	Z3N	ZT
ZB		1.76	2.59	1.94	2.91
ZN	0.57		1.47	1.10	1.65
ZF	0.39	0.68		0.75	1.12
Z3N	0.00	0.00	0.00		0.00
ZT	0.34	0.61	0.89	1.33	

US Treasuries vs US Financial Futures

	2y	3y	5y	7y	10y	30y
ZB	1.6	2.3	3.7	4.7	6.52	13.3
ZN	2.7	4.1	6.6	8.3	11.50	23.5
ZF	4.0	6.0	9.6	12.1	16.86	34.5
Z3N	3.0	4.5	7.2	9.1	12.63	25.8
ZT	4.5	6.7	10.8	13.6	18.96	38.8

US Treasuries

	2y	3y	5y	7y	10y	30y
2y		1.48	2.39	3.01	4.19	8.57
3y	0.67		1.61	2.03	2.82	5.78
5y	0.42	0.62		1.26	1.76	3.59
7y	0.33	0.49	0.79		1.39	2.85
10y	0.24	0.35	0.57	0.72		2.05
30y	0.12	0.17	0.28	0.35	0.49	

US Financial Futures vs German Futures

	ZB	ZN	ZF	ZT
Bund (U)	1.00	1.80	2.55	2.88
Bobl (U)	0.62	1.00	1.50	1.69
Shatz (U)	0.25	0.43	0.60	0.68

German Futrues vs German Futures

	Bund (U)	Bobl (U)	Shatz (U)
Bund (U)		1.70	4.21
Bobl (U)	0.59		2.47
Shatz (U)	0.24	0.40	

US Treasuries vs German Futures

	2y	3y	5y	7y	10y	30y
Bund (U)	1.5	2.4	3.7	4.7	6.4	12.6
Bobl (U)	2.6	3.9	6.2	8.0	10.9	21.5
Shatz (U)	6.5	9.5	15.4	19.7	26.8	52.9

Note: If you are looking at a matrix with Eurex products then those ratios are pulled from Bloomberg and are static. Meaning, I only update them once in a while but always on rolls. I calculate the other matrixes, with US products, everyday

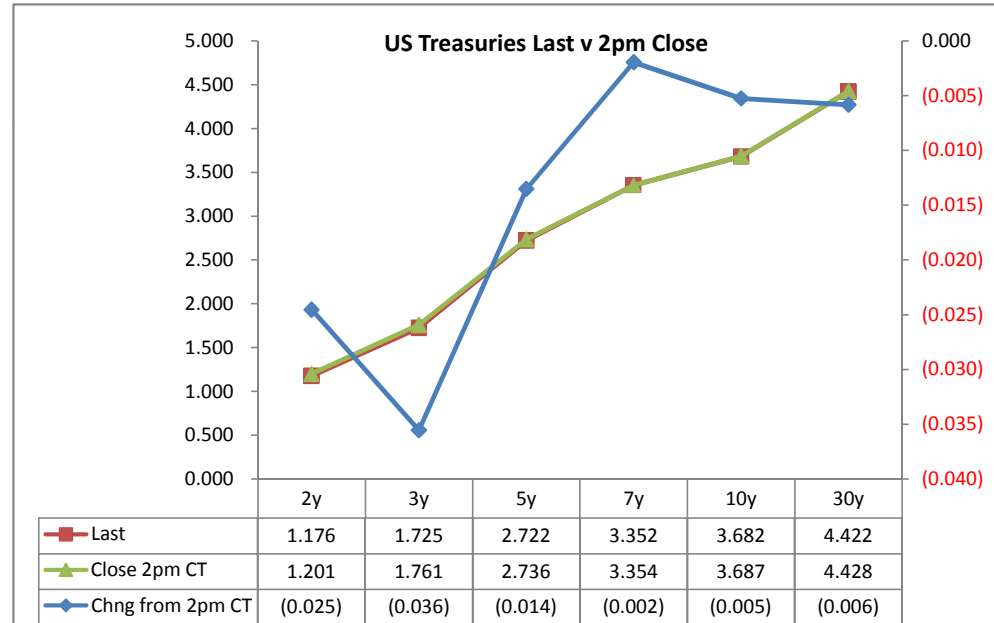
Treasury Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Chng	Basis (CF)		Close 32	Last	
						from 2pm	Close	Last			
2y	1.125	6/30/14	99.2750	1.201	1.176	(0.025)	10.91	12.12	107.2925	107.287	TUAU9
3y	1.875	6/15/12	100.1050	1.761	1.725	(0.036)	23.72	28.07	111.0150	111.000	Z3NU9
5y	2.250	5/31/14	99.1550	2.736	2.722	(0.014)	39.06	41.75	113.3100	113.302	FVAU9
7y	3.250	5/31/16	99.1150	3.354	3.352	(0.002)					
10y	3.125	5/15/19	95.1200	3.687	3.682	(0.005)	124.95	126.34	115.0600	115.055	TYAU9
30y	4.250	5/15/39	97.0200	4.428	4.422	(0.006)	273.81	277.05	116.1800	116.19	USAU9

Curve Spreads^

	Close bps	Last bps	Chng from
			2pm Cls
2/3	56.0	54.9	(1.1)
2/5	153.5	154.6	1.1
2/7	215.3	217.6	2.3
3/5	97.5	99.7	2.2
3/7	159.3	162.7	3.4
2/10	248.6	250.5	1.9
3/10	192.6	195.6	3.0
5/7	61.8	63.0	1.2
5/10	95.1	95.9	0.8
2/30	322.7	324.6	1.9
3/30	266.7	269.7	3.0
5/30	169.2	170.0	0.8
7/10	33.3	33.0	(0.3)
7/30	107.4	107.0	(0.4)
10/30	74.1	74.0	(0.1)

	Last	Chng on Day	Prcnt Chng
Emini SP	896.50	(1.50)	-0.17
Crude Oil	68.98	0.31	0.45
Gold	934.10	(0.30)	-0.03
EURUSD	139.43	0.12	0.09
USDJPY	96.40	0.74	0.77
DX	80.70	0.14	0.17



^matrix is linked to 'Monitor'

Cash Duration Matrix

What is this? (1):
 2yr cash has X% duration of 5yr cash.

Cash Duration Matrix

	2	5	10	30
2	100%			
5	43%	100%		
10	24%	55%	100%	
30	12%	28%	50%	100%

What is this? (2):
 - 2yr cash has DV01 of X\$.
 - Multiply the 2yr DV01 by the percent duration to come up with what the 2yrs DV01 SHOULD be compared to the 5yr.

Cash Matrix [DV01 x Duration]

	2	5	10	30
2	\$200			
5	\$205	\$478		
10	\$198	\$463	\$839	
30	\$205	\$478	\$867	\$1,717

What is this? (3):
 - Now you can see the over/under value, based on the DV01, from contract to contract. In this example we are looking at the 2yr compared to the 5yr.

Cash Matrix [DV01 over / (under) valued]

	2	5	10	30
2	\$200			
5	(\$4)	\$478		
10	\$2	\$16	\$839	
30	(\$4)	\$0	(\$28)	\$1,717

Or you can look at the over/under value as a percentage instead of dollar terms.

Cash Matrix [DV01 over / (under) as %]

	2	5	10	30
2	0.0%			
5	-2.1%	0.0%		
10	1.2%	3.4%	0.0%	
30	-2.0%	0.1%	-3.2%	0.0%

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.91	2.16	3.79	7.76
ZF	0.40	0.96	1.69	3.45
ZN	0.27	0.66	1.15	2.35
ZB	0.16	0.37	0.65	1.33

	2y	5y	10y	30y
2y		2.39	4.19	8.57
5y	0.42		1.76	3.59
10y	0.24	0.57		2.05
30y	0.12	0.28	0.49	

	ZT	ZF	ZN	ZB
ZT		2.25	3.30	5.82
ZF	0.44		1.47	2.59
ZN	0.30	0.68		1.76
ZB	0.17	0.39	0.57	

Box for Box Matrix

	2y	5y	10y	30y
ZT	0.91	2.16	7.58	15.52
ZF	0.40	0.96	3.37	6.90
ZN	0.55	1.31	1.15	2.35
ZB	0.62	0.74	1.30	1.33

	2y	5y	10y	30y
2y		2.39	2.09	4.28
5y	0.42		0.44	1.80
10y	0.48	2.28		2.05
30y	0.23	0.56	0.49	

	ZT	ZF	ZN	ZB
ZT		2.25	6.59	11.64
ZF	0.44		2.93	5.17
ZN	0.15	0.34		1.76
ZB	0.09	0.19	0.57	

	Libor\$ ¹	Repo Rt ⁶
0/N	0.274	0.210
1week	0.294	0.120
2week	0.299	0.240

	Libor\$ ¹	Tbill	CP ²
1M	0.308	0.096	0.300
3M	0.601	0.187	0.400
6M	1.114	0.314	0.850

	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY - ED Pk ⁴
2y	1.176	41.00	1.59	2.672	1.495
5y	2.722	39.75	3.12	4.634	1.911
10y	3.682	24.75	3.93	5.021	1.339

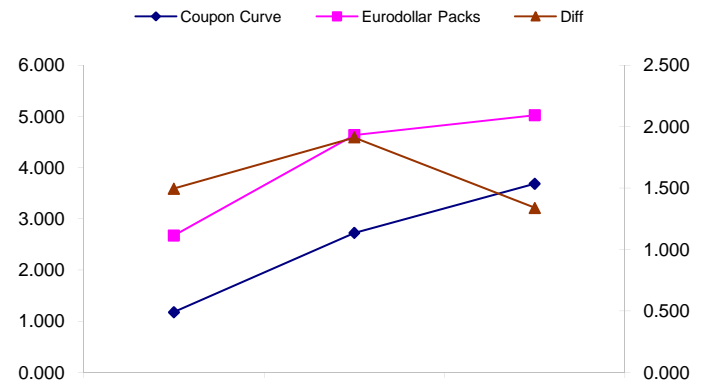
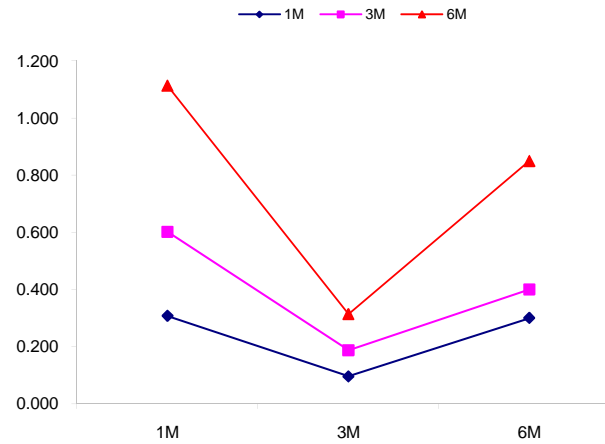
<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>
154.6	196.2	41.6
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>
250.5	234.9	-15.7
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>
95.9	38.7	-57.3

Red pack / Blue pack is a 2/5 proxy
 Red pack / Gold pack is a 2/10 proxy
 Blue pack / Gold pack is a 5/10 proxy

"Swap spreads are essentially a measure of the difference between buying a safe government bond and making a riskier loan to a bank"
 --WSJ

Notes:

- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight General Collateral



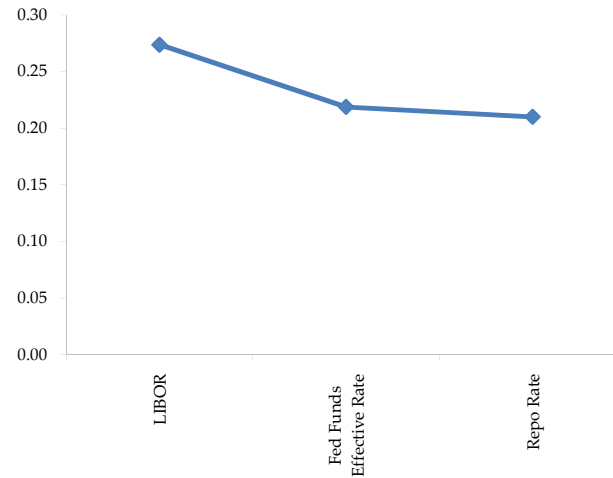
	Last	Chng	Term	Asset Type
USDLIBON	0.274	(0.0019)	Overnight	LIBOR
TUSFFRON	0.219	0.0313	Overnight	Fed Funds Effective Rate
TUSRPOON	0.210	0.0000	Overnight	Repo Rate
TEONIA01M	0.511	(0.0350)	1 month	Euribor OIS Rate
TEONIA03M	0.577	(0.0350)	3 month	Euribor OIS Rate
TSONIA01M	0.413	(0.0150)	1 month	Sterling OIS Rate
TSONIA03M	0.421	(0.0110)	3 month	Sterling OIS Rate
TUSOIS01M	0.206	(0.0150)	1 month	USD OIS Rate
TUSOIS03M	0.232	(0.0040)	3 month	USD OIS Rate

Example, below

Overnight Rates -EXAMPLE



Overnight Rates



A 'normal' lending curve looks like the chart to the left. That is, the Libor should be a bit higher than Fed Funds Effective rate (FFER), and the FFER should be a bit higher than the Repo Rate.

The best time to view this page is on the closing email I send in the afternoon. The Fed Funds effective rate and the repo rate rarely update until after I send the morning email.

